Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/18/2019 11:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126177	0	1.43	126284	1.45
Blue	F	SSC	125000	124104	-1	1.52	124959	1.53
Blue	E	FITC	16122	15726	-3	2.69	341	19.68
Blue	D	PE	29316	28831	-2	1.84	630	14.58
Blue	B	PerCP-Cy5-5	42590	42074	-2	3.63	1135	20.14
Blue	A	PE-Cy7	33146	33037	-1	6.01	627	40.73
Red	C	APC	45473	45049	-1	2.40	1597	11.87
Red	A	APC-Cy7	31961	31136	-3	2.38	825	11.80
Violet	B	V450	7914	7373	-7	4.68	412	13.15
Violet	A	V500	29769	28339	-5	4.46	658	10.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21609	3.41	609	9	N/A	N/A	Pass
Blue	F	SSC	56365	1.07	553	15	N/A	N/A	Pass
Blue	E	FITC	63	63.54	540	3	0.0215	179	Pass
Blue	D	PE	133	50.54	542	5	0.1805	340	Pass
Blue	B	PerCP-Cy5-5	208	49.42	643	5	0.0092	58	Pass
Blue	A	PE-Cy7	119	97.59	696	5	0.0109	9	Pass
Red	C	APC	379	24.71	583	4	0.0256	150	Pass
Red	A	APC-Cy7	182	28.10	559	3	0.0057	905	Pass
Violet	B	V450	64	61.19	461	1	0.0624	2812	Pass
Violet	A	V500	98	33.63	474	2	0.0221	686	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.18	-31.88	1.02
Blue	20.33	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.66	13.60 - 20.40	N/A	N/A	29.38	29.81	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11297

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments